

# Break-out Session 3: Integrated Labs

- Approach 1: Creating an Integrated Lab
  - Identify a point of integration
  - Find a great lab activity
- Approach 2: Adding points of integration to an existing lab exercise
  - Recognize a point of integration
  - Refine lab exercise
    - Ex: Synthesis of thought questions, changes to the procedure, additional background information
  - Don't try to force points of integration.

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- Interdisciplinary Integration
  - Science 100
    - Synthesis of a Plant Auxin
      - Multi-week lab
    - Properties of Light
      - One lab period
  - Material integrated between labs and lectures
    - More easily identified over time as professors and lab coordinators collaborate at team meetings and new ideas emerge.

# Break-out Session 3: Integrated Labs

- Integration within a discipline
  - UBC
    - Moving to an integrated 3<sup>rd</sup> year chemistry lab course combining analytical, physical, organic and inorganic labs
      - 2 labs per week, both terms
    - Moving towards a shared instrumentation facility
      - Research, graduate students, undergraduate students